

MATERIAL SAFETY DATA SHEET

Finished Product



Date Issued: 01/10/2003
MSDS No: 2211
Date Revised: 05/18/2012
Revision No: 12

Wondermask P

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Wondermask P
PRODUCT DESCRIPTION: Wave solder process masking agent
PRODUCT CODE: 2211/CAN/EUR-2SQ, 8SQ, G, 5G, 54G

MANUFACTURER

Techspray, L.P.
1001 N.W. 1st Street
P.O. Box 949
Amarillo, TX 79107

Emergency Contact: Chemtrec
Emergency Phone: 1-800-858-4043
Service Number: 1-800-858-4043

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC CCN#21858 (US Transportation) :(800) 424 - 9300
CANUTEC (Canadian Transportation) :(613) 996 - 6666
Emergency Phone :(800) 858 - 4043

2. HAZARDS IDENTIFICATION

HAZARD DESIGNATION

"Xi" - Irritant

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Avoid exposure to vapor concentration in confined areas.

POTENTIAL HEALTH EFFECTS

EYES: Avoid contact with eyes; may cause redness, irritation and conjunctivitis.

SKIN: May cause skin irritation.

INGESTION: Substance may be harmful if swallowed.

INHALATION: Prolonged or excessive inhalation may cause respiratory tract irritation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Symptoms of overexposure include: stinging, tearing, redness and pain.

SKIN: Prolonged or exposure may cause skin irritation.

INGESTION: Ingestion may result in diarrhea and/or nausea.

INHALATION: Inhalation may cause respiratory tract irritation.

ACUTE TOXICITY: Low hazard for usual industrial or commercial handling.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name	Wt.%	CAS	EINECS
Acrylic Latex Polymer	75 - 90	27401-61-2	
LECIITHIN	1 - 5	8029-76-3	232-440-6
Pigment	< 1	mixture	
Alkoxylated alkylphenol	5 - 10	9064-13-5	
Tetrakis-[methylene(3,5-di-tert-butyl-4-hydroxyhydrocinnamate)]-methane	< 1	6683-19-8	229-722-6
2-Propenoic acid, telomer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt and sodium hydrogen sulfite, sodium salt	1 - 5	97953-25-8	xxx-xxx-x
C7 - C9 alkyl benzyl phthalate	1 - 5	68515-40-2	271-082-5

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: If swallowed, do not induce vomiting. If conscious and alert, give two glasses of water. Seek medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: None

FLAMMABLE LIMITS: N/A to N/A

EXTINGUISHING MEDIA: Water, foam, dry chemical, carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS: Smoke, fumes and oxides of carbon.

FIRE FIGHTING PROCEDURES: Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: None Expected.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb the liquid and scrub the area with detergent and water. Pick up wash liquid with additional absorbent and place in a disposable container. Do not flush to sewer.

GENERAL PROCEDURES: Absorb the liquid and scrub the area with detergent and water.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Wash thoroughly after handling. Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Store in a cool dry place.

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HANDLING: Empty containers will retain product residue and vapor and should be handled as if they were full.

STORAGE: S3/9 - Keep in a cool, well ventilated place

STORAGE TEMPERATURE: Store in a cool place below (120) F (49) C.

STORAGE PRESSURE: Store at local atmospheric pressure.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Pigment	TWA	[1]	[1]	[1]	[1]		
Alkoxyated alkylphenol	TWA	[2]	[2]	[2]	[2]		
Tetrakis-[methylene(3,5-di-tert-butyl-4-hydroxyhydrocinnamate)]-methane	TWA	[1]	[1]	[1]	[1]	10 mg/m ³	
2-Propenoic acid, telomer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt and sodium hydrogen sulfite, sodium salt	TWA	NL ppm [3]	NL mg/m ³ [3]	NL ppm	NL mg/m ³	NL ppm	NL mg/m ³
	STEL	NL ppm	NL mg/m ³	NL ppm	NL mg/m ³	NL ppm	NL mg/m ³
OSHA TABLE COMMENTS:							
1. NOT ESTABLISHED							
2. NONE							
3. NL = Not Listed							

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

SKIN: The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Viton, Solvex, Butyl, Buna, Neoprene.

RESPIRATORY: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

WORK HYGIENIC PRACTICES: Wash hands before eating and wash before reuse.

OTHER USE PRECAUTIONS: Emergency shower and eyewash facility should be in close proximity.

9. PHYSICAL AND CHEMICAL PROPERTIES

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Chemical Name	Flash Point (°C)	Boiling Point (°C)	Freezing Point (°C)	Solubility in Water	Specific Gravity
LECIITHIN				DISPERSIBLE	1.02
Alkoxylated alkylphenol		286		NEGLIGIBLE	1.15
Tetrakis-[methylene(3,5-di-tert-butyl-4-hydroxyhydrocinnamate)]-methane	567		110	<0.1 ppm	1.15

PHYSICAL STATE: Liquid**ODOR:** Low odor.**APPEARANCE:** Gel-like.**COLOR:** Pink/red.**PERCENT VOLATILE:** 50**FLASHPOINT AND METHOD:** None**SOLUBILITY IN WATER:** Insoluble**DENSITY:** 1.0**VISCOSITY #1:** 28000 to 30000 Centipoise**(VOC):** 27.500 g/L (non-exempt VOC)**10. STABILITY AND REACTIVITY****HAZARDOUS POLYMERIZATION:** No**STABILITY:** Stable.**POLYMERIZATION:** Will not occur.**CONDITIONS TO AVOID:** Heat, flames, ignition sources, and incompatibles.**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of Carbon (CO and CO₂) may form when heated to decomposition.**INCOMPATIBLE MATERIALS:** Oxidizing agents, alkalis and bases.**11. TOXICOLOGICAL INFORMATION****ACUTE**

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Pigment	> 5000 mg/kg		> 5580 ppm
Alkoxylated alkylphenol	5000 mg/kg	> 3000 mg/kg	

EYES: Not Available**DERMAL LD₅₀:** > 5000 mg/kg (rabbit)**ORAL LD₅₀:** 2330 mg/kg (rat)**INHALATION LC₅₀:** Not Available

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Wondermask P**NOTES:** Fumes/liquid -- Irritant**EYE EFFECTS:** May be mildly irritating to eyes.**SKIN EFFECTS:** Causes irritation to skin.**CARCINOGENICITY**

Chemical Name	NTP Status	IARC Status	OSHA Status
Pigment	NOT LISTED	NOT LISTED	
Alkoxylated alkylphenol	NOT LISTED	NOT LISTED	NOT LISTED
Tetrakis-[methylene(3,5-di-tert-butyl-4-hydroxyhydrocinnamate)]-methane	NOT REVIEWED	NOT REVIEWED	NOT REVIEWED

IARC: Ethylene oxide (CAS# 75-21-8) may be present in trace, but less than reportable, amounts.**NTP:** Ethylene oxide (CAS# 75-21-8) may be present in trace, but less than reportable, amounts.**OSHA:** Ethylene oxide (CAS# 75-21-8) may be present in trace, but less than reportable, amounts.**REPRODUCTIVE EFFECTS:** Not Established**TERATOGENIC EFFECTS:** Test results indicate this compound/mixture is not teratogenic.**MUTAGENICITY:** Not Established**12. ECOLOGICAL INFORMATION****ENVIRONMENTAL DATA:** Not Available**ECOTOXICOLOGICAL INFORMATION:** Not Available**13. DISPOSAL CONSIDERATIONS****DISPOSAL METHOD:** Federal, State, and Local laws governing disposal of materials can differ. Ensure compliance with proper authorities before disposal.**GENERAL COMMENTS:** Dispose of in a manner consistent with federal, state, and local regulations.**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** Nonhazardous**UN/NA NUMBER:** NA**PACKING GROUP:** NA**ROAD AND RAIL (ADR/RID)****PROPER SHIPPING NAME:** Nonhazardous**PACKING GROUP:** NA**AIR (ICAO/IATA)****SHIPPING NAME:** Nonhazardous

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Wondermask P**UN/NA NUMBER:** NA**PACKING GROUP:** NA**VESSEL (IMO/IMDG)****SHIPPING NAME:** Nonhazardous**UN/NA NUMBER:** NA**PACKING GROUP:** NA**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****313 REPORTABLE INGREDIENTS:** Not considered a SARA 313 "Toxic Chemical".**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA REGULATORY:** None of the ingredients are CERCLA/Superfund hazardous chemicals.**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Tetrakis-[methylene(3,5-di-tert-butyl-4-hydroxyhydrocinnamate)]-methane	6683-19-8
2-Propenoic acid, telomer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt and sodium hydrogen sulfite, sodium salt	97953-25-8

TSCA STATUS: All components of this product are either listed or exempt from listing in the TSCA inventory.**OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)****29 CFR 1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS:** None of the chemicals in this product are considered highly hazardous by OSHA.**CALIFORNIA PROPOSITION 65:** Ethylene oxide (CAS# 75-21-8) may be present in trace, but less than reportable, amounts.**RCRA STATUS:** NOT listed**OSHA HAZARD COMM. RULE:** Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.**EUROPEAN COMMUNITY****EEC LABEL SYMBOL AND CLASSIFICATION**

"Xi" - Irritant
 R38/R43 Irritating to skin. May cause sensitization by skin contact.

16. OTHER INFORMATION**APPROVED BY:** Pierce A. Pillon **TITLE:** Chemist**PREPARED BY:** Steve Cook**REVISION SUMMARY:** This MSDS replaces the 05/18/2012 MSDS.

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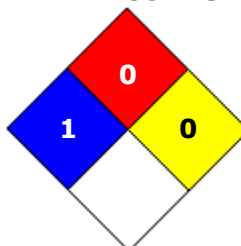
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Wondermask P**HMIS RATING**

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	

NFPA CODES

DATA SOURCES: Code of Federal Regulations (CFR) The Sigma-Aldrich Library of Regulatory and Safety Data
 OSHA Hazard Communication Standard (29CFR1910.1200) Various Federal, State and Local Regulations

GENERAL STATEMENTS: Material manufactured after 18 August 2005 no longer contains the ingredient butyl benzyl phthalate (CAS# 85-68-7).

MANUFACTURER DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. However, neither Tech Spray, L.P., or any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.